

THAT WHICH IS CLAIMED IS:

1. A method of generating an electronic mail message, comprising:
automatically generating an electronic mail message responsive to an action
being performed on a database entry.
- 5 2. The method of Claim 1, wherein the step of generating an electronic
mail message comprises:
detecting performance of the action performed on the entry in the database;
triggering a user defined function (UDF) of the database which provides
10 access to an electronic mail system in response to the detection of performance of
the action on the entry; and
accessing the electronic mail system utilizing the UDF to request
generation of the electronic mail message responsive to the UDF being triggered.
- 15 3. The method of Claim 2, wherein the steps of detecting performance
of the action and triggering a user defined function comprise establishing a
database trigger associated with entries in the database which database trigger
activates the UDF upon an action being performed on at least one of the entries
associated with the database trigger.
- 20 4. The method of Claim 3, wherein the UDF carries out the steps of:
obtaining electronic mail information associated with the entry in the
database; and
providing the obtained electronic mail information to an application
25 program interface for the electronic mail system.
5. The method of Claim 4, wherein the application program interface
provides abstract layering for the electronic mail system.
- 30 6. The method of Claim 4, wherein the application program interface
comprises the JavaMail Application Program Interface.

7. The method of Claim 2, wherein the action performed comprises an insertion of the entry into the database.

8. The method of Claim 3, wherein the database comprises a DB2 database.

9. The method of Claim 2, wherein the UDF comprises a first class which obtains the electronic mail information and a second class which provides the electronic mail message information to the electronic mail system.

10. The method of Claim 2, wherein the electronic mail system executes on a second data processing system remote from a first data processing system on which the database executes.

11. A system for generating an electronic mail message, comprising:
a database having database entries;
a user defined function configured to wrap access to an electronic mail system so as to generate an electronic mail message upon invocation of the user defined function; and
a database trigger associated with at least one of the database entries and configured to invoke the user defined function upon performance of an action on the at least one of the database entries.

12. The system of Claim 11, wherein the user defined function comprises a first class which obtains electronic mail information associated with the database entry and a second class which provides the electronic mail message information to the electronic mail system.

13. The system of Claim 12, wherein the user defined function is configured to wrap access to the electronic mail system utilizing an application program interface which provides abstract layering for the electronic mail system.

14. The system of Claim of Claim 13, wherein the application program interface comprises a JavaMail application program interface.

15. A system for generating an electronic mail message, comprising:
5 means for detecting performance of an action performed on an entry in a database;

means for triggering a user defined function (UDF) of the database which provides access to an electronic mail system in response to the detection of performance of the action on the entry; and

10 means for accessing the electronic mail system utilizing the UDF to initiate generation of the electronic mail message responsive to the UDF being triggered.

16. A computer program product for generating an electronic mail message, comprising:

15 a computer readable media having computer readable program code embodied therein, the computer readable program code comprising:

computer readable program code that detects performance of an action performed on an entry in a database;

20 computer readable program code which triggers a user defined function (UDF) of the database which provides access to an electronic mail system in response to the detection of performance of the action on the entry; and

computer readable program code which accesses the electronic mail system utilizing the UDF to initiate generation of the electronic mail message responsive to the UDF being triggered.